

2/2/

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/032,260
Source:	OIPE.
Date Processed by STIC:	2/26/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
 - U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER:
attn: New Rules Cases	S: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
lWrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
SVariable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9 Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



OIPE

```
DATE: 02/26/2002
                     RAW SEQUENCE LISTING
                     PATENT APPLICATION: US/10/032,260
                                                              TIME: 11:05:42
                                                                           pr1-7
                     Input Set : A:\EP.txt
                     Output Set: N:\CRF3\02262002\J032260.raw
                                                                      Does Not Comply
      3 <110> APPLICANT: de Belle, Ian
                                                                 Corrected Diskette Needed
              Adamson, Eileen
              Mercola, Dan
      7 <120> TITLE OF INVENTION: Isolation and Identification of Control Sequences and
              Genes Modulated by Transcription Factors
     10 <130> FILE REFERENCE: PS-00101.P.1
   >/12 <140> CURRENT APPLICATION NUMBER: US/10/032,260
    13 <141> CURRENT FILING DATE: 2001-12-20
     15 <160> NUMBER OF SEQ ID NOS: 27
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E--> 42 1 T
                                            10 10 '
     44 Pro Gln Ser His
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     48 <211> LENGTH: 31
     49 <212> TYPE: PRT
     50 <213> ORGANISM: Homo sapiens
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     53 Ile Ile Asp Thr Asp Glu Ala Ala Glu Asp Lys Arg Arg Arg Arg
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                           5
                                     10
     56 Arg Arg Arg Glu Lys Arg Lys Arg Ala Leu Leu Asn Leu Pro Gly
E--> 57
                                                                30
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     65 His Arg Ala Gly Phe Asp Ala Phe Met Thr Gly Tyr Val
E--> 66
                          5
        1
                                    10
     221 <210> SEQ ID NO: 16
     222 <211> LENGTH: 234
     223 <212> TYPE: PRT
     223 <212> 11FB. III
224 <213> ORGANISM: Homo sapiens \rho. \downarrow
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DATE: 02/26/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/032,260 TIME: 11:05:42

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\J032260.raw

226 <400> SEQUENCE: 16 227 Met Arg Asp His Ile Asp Tyr Arg Cys Cys Leu Pro Pro Ala Thr His 5 229 Arg Pro His Pro Thr Ser Ile Cys Asp Asn Phe Ser Ala Tyr Gly Trp 20 25 231 Cys Pro Leu Gly Pro Gln Cys Pro Gln Ser His Asp Ile Asp Pro Ile 35 40 233 Ile Asp Thr Asp Glu Ala Ala Glu Asp Lys Arg Arg Arg Arg 55 E--> 234 235 Arg Arg Glu Lys Arg Lys Arg Ala Leu Leu Asn Leu Pro Gly Thr Gln 70 75 E--> 236 65 237 Thr Ser Gly Glu Ala Lys Asp Gly Pro Pro Lys Lys Gln Val Cys Gly 90 239 Asp Ser Ile Lys Pro Glu Glu Thr Glu Glu Val Ala Ala Asp Glu 105 100 241 Thr Arg Asn Leu Pro His Ser Lys Gln Gly Asn Lys Asn Asp Leu Glu E--> 242 115 120 243 Met Gly Ile Lys Ala Ala Arg Pro Glu Ile Ala Asp Arg Ala Thr Ser 135 245 Glu Val Pro Gly Ser Gln Ala Ser Pro Asn Pro Val Pro Gly Gly Gly 150 155 E--> 246 145 247 Leu His Arg Ala Gly Phe Asp Ala Phe Met Thr Gly Tyr Val Met Ala 170 E--> 248 165 249 Tyr Val Glu Val Ser Gln Gly Pro Gln Pro Cys Ser Ser Gly Pro Trp 185 E--> 250 180 251 Leu Pro Glu Cys His Asn Lys Val Tyr Leu Ser Gly Lys Ala Val Pro 200 253 Leu Thr Val Ala Lys Ser Gln Phe Ser Arg Ser Ser Lys Ala His Asn 255 Gln Lys Met Lys Leu Thr Trp Gly Ser Ser E--> 256 225 230 258 <210> SEQ ID NO: 17 259 <211> LENGTH: (725)724 Shown 260 <212> TYPE: DNA agag 60 Jummy tttc 120 tcaa 180 Heet 261 <213> ORGANISM: Homo sapiens 263 <400> SEQUENCE: 17 E--> 264 gnngghann gnnnnnggg gaacttatat cggtgcctac tcachgaaaa ggctgaagag 60 265 totoccatgt ctacttottt ctacacagac acagcaacca tocgatttot caatotttto 120 266 cccacctttc ccccttttct attccacaaa accgccattg tcatcatggg ccgttctcaa 180 267 tgagctgttg ggtgagatat tagaattcta ctcacagaac gaaatgaaaa gtctcccatg 240 268 totacttott otacacaaga cacagcaaca toogatttot caatcottto cocaacttto 300 E--> 269 cccctttct antccacaan accgccattg tcatcatggg ncgttctcaa tgagctgttg 3604 270 ggtgagatat tagaattetg ggetgggaat gagtteagee tggtggaatg tgaacetgca 420 E--> 271/ncagtttggc atgaacgggc aaatgctgtg tancctccgg aaaggagcgc ttcctggaag 480 E--> 27 cggccgtttt anaagteetg nneggggaaa acenggggt anecaaettt atenceetgg (60) E--> 275 nngaaancee eeett<u>nenea aenggggtna naa</u>cenannn gggeeneeen ntttgeeeet 720 E--> 276 cccaa





DATE: 02/26/2002 RAW SEQUENCE LISTING TIME: 11:05:42 PATENT APPLICATION: US/10/032,260

Input Set : A:\EP.txt

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     286 tgaagagatt aacatgggaa tgtcataata attgaatcta aagaagacat aatttcaaaa 180
     287 taagagettg agtaataata eeattgtgta acaatetgat tteeateeet ettattttte 240
     288 ctatattatg cagtttagtt ctttactatc atgtgtttca tgtttgttcg gttttaccaa 300
     289 cacatcatta gtaaattgaa tgtaaggett eteatttett ttgtateeta catetaaaag 360
     290 attttagtcc ttagaatcct cttgaaatgt tctccattta aaatggagaa atagttcatg 420
E--> 291 ctctctcatc taagtangag ctaaaatcta aaaaattaat aaataaaata gtccatcctc 480 🗇
E--> 292 taataataat aatgaatact gaanttgtta antaataatt aatttttgag aagggggttc 540,
E--> 293 actaatgcg tccaagctgg agtgcaatgg cgtgatcact aanttctaaa ncggcgccaa 600
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E--> 303 atnaaacagc gggccgagaa cgggncaana tgacaatggn ggttttgtgg aatagaaaag 120-)
     304 ggggaaaggt ggggaaatga ttgagaaatc ggatggttgc tgtgtctgtg tagaaagaag 180
     305 tagacatggg agacttttca ttttgttctg tgagtagaat tctgggctgg gaatgagttç 240
E--> 306/agcctggtga atgtgaacct gcaccagttt ggcatgaacg gncagatgct gtgtaacctd 300
E--> 307 ggcaaggage getteetgga getggegeet gaetttgtgg gegacateet etggnacagg 360
E--> 30/8 ntccactagt tctagagegg gegecacege ggtggngete caattegeee tanagtgngt 420
E--> 3(9 cgtnttacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggngtta \480
E--> 310 cccaacttaa tcgccttgca gcanatcccc ctttcgncag ctggngtnnt ancgangagg 540
E--> 311 necgeaccon ttgccentce caanaagttg egeageetgn atggggantg gganegneet 600
E--> 312 gtnncgggng cantaagcgc ggngggtgtg gtggntangc ncancgtgnn cgnnnnannt 660
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     323 tgaagagatt aacatgggaa tgtcataata attgaatcta aagaagacat aatttcaaaa 180
     324 taagagettg agtaataata ceattgtgta acaatetgat ttecateeet ettattttte 240
     325 ctatattatg cagtttaagt tetttaetat catgtqtttc atgtttgttc ggttttaeca 300
E--> 326 acacatcatt agtaaattga atgtangget teteatttet tttgtateet acatetaaaa 360 ) um
     327 gattttagtc tttagaatcc tcttgaaatg ttctccattt aaaatggaga aatagttcat 420
E--> 328/gctctctcat ctaantanga gctaaaatct aaaaaataaa taaataaaat antccatcct 480
E--> 329 ctaataataa taatgaatac tgaanttgta aataataatt aatttttgag aatggggttc 540
E--> 330 actaatgtcg tccaanctgg agtgcaatgg cgtgatcact agttctaaac cggcgccaac 600 Min 5
E--> 3$1 gcggtgggnc tccaattcc
                                  619
```



PATENT APPLICATION: US/10/032,260

DATE: 02/26/2002 TIME: 11:05:42

Input Set : A:\EP.txt

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     357 <211> LENGTH: 419
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E--> 363 ogatgacaga gtgagacct gtctgttaaa aaataataat aataatagat aatgggatan > 120 ) Jum 9
E--> 364 gagtgtaaag aaagacagga tgcttcttag caaagttaca aaaaatatta atangtcttt 180
     365 qtcacaaata tatgtttgcc tatgagctga qaaqaqaaaa tqaaaaaqtg aaaataagat 240 '
E--> 366 (ttctcaaggt acaactttga tgcagttcan gtcaaactta ngtaagattt tgttgtanag) 300 Mem 9
     367 tttgggaaat aaccattgtg gcaaggctgg aatgcaaatc gattttttgc tgttacagaa 360
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     394 ttttctaata accacattta aaaaggtaaa aagaaactgt tgaaataaat tttaatatct 120
     395 ttcattgaac ccaatatatg caaaatacta tcatttcaat tataaccaaa ttaaaattaa 180
     396 ggagatattt tacaattttc atattaacgt ttccaattct ggtgtgaatt ttacactcac 240
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E--> 398/gctattatgt cacaaaatgc agetetangg atgaggacag tttacagaag atacttgagg 360
E--> 399 atacaggage aagttaaatg geagtttaag aaageaaate cangatgtgg gaaacteeae 420 Jun 9
E--> 40β agaatanatg acctggtttc tcccttcact catccctcca aaatagaaat caatggcaga 480
E--> 401 aagaaaaaag anggaggctg ttgtancata aaatacttag ggacatacaa taaaaacagt 540
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E--> 41/2 gccctgcgaa agctctctct tacctgccgc catgtaagac cggactttgc tcctcattag(189)/8/1
E--> 41/3 gtcaccctag ccatgtggaa ctgtgagtcc attaaacctc tttcctttat aaattatgca 240
E--> 414 gtctcggata tgtctttatt agcaaggtga aaatgaacta atacaagggt cacgtggtaa 300
E--> 445 atatatttaa tattaaaaaa aaatetteea aaetatttte eagagtgtet gtacettttt 360,
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E--> 4N tatttttat tttagttgtt ctcatcctqq acttaatttg aattttccca atgatgagtg 480
     418 atgttgaaaa ttttcttgt gcttacttgt catctggata ttctcgtcaa taaaatgtct 540 🗸
E--> 419/cttantatcn tttgcccatt ttcaantgga ttccttttgt gttttatcat tgaattttaa 600
E--> 420 gaattetten atttatagat atgaattaca gatanaatea tagatattat agatanatat 660 tem 9
E--> 421 gagttatggt tcacnatt
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DATE: 02/26/2002 TIME: 11:05:42

Input Set : A:\EP.txt

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E>			L			_	_	5		— 1	_	~ 3	10		_		1	15
		Asp	GLy	GLY	Val			Ser	Thr	Thr	Ser		GLu	GLu	Leu	Val		musalysed
E>				_			20		01	a	•	25	-1	_	~ 1	20.1	30	777
		GIn	Val	Pro	Val	val	Asp	vaı	GIn		Asn	Asn	Pne	гаг			Trp	anino and hos.
E>		_	_	_	35			_	m1	40		nl	**- 1		4.	-	m1	
		Pro			Leu	Ата	тте			Ата	ASN	Pue	vaı		vaı	ASP	Thr	se
E>		01	5(a 1	T	a1		55	T ***	Com	T 011	T 011	60	Cln	0	т1.	7,1 3
			Leu	ser	GŢĀ	Leu				гÀг				ASII	GTII	cys	Ile 80	Jem)
E>			C1	λ ~ ~	Tyr	T ***								Thr	λνα	Cor		$C \setminus I$
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E/		T 011	cor	T OII	Clu	LOU	λla	-		Lare	λrα	Gln		Acn	Luc	G1 v	Glu	1
E>		цец	261	пеа	Gry	100		Cys	rne	цуз		105	110	пор	цуз	OLY	110	Associated and
E>		Hic	Ser	ጥህዮ	Leu			Va 1	Dhe	Δsn	_		T.eu	Leu	Cvs	Met		Acertain
E>		1115	JCI	_	115	IIIu	0111	, 41		120			200			125	014	11.1
		Glu	Tvr		Ile	Glu	Pro	Lvs	Ser			Phe	Leu	Ile			Glv	misabjud anin and nos. see item 3 on Enor Sunnay Sheet
E>				30				-1-	135					140			- 1	
		Phe			Asn	Gln	Gln	Tyr		Gln	Gly	Ile	Pro	Tyr	His	Lys	Gly	
E>								50			_		155	•		-	-	160
	449	Asn	Asp	Lys	Gly	Asp	Glu	Ser	Gl'n	Ser	Gln	Ser	Val	Arg	Thr	Leu	Phe	
E>			-	-	-	_			55					L70				175
	451	Leu	Glu	Leu	Ile	Arg	Ala	Arg	Arg	Pro	Leu	Val	Leu	His	Asn	Gly	Leu	
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	453	Ile	Asp	Leu	Val	Phe	Leu	Tyr	Gln	Asn	Phe	Tyr	Ala	His	Leu	Pro	Glu	
E>					195					200						205		
	455	Ser	Leu	Gly	Thr	Phe	Thr	Ala			Cys	Glu	Met	Phe	Pro	Ala	Gly	
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E>				_		_	230		_	_	_		35		_			10
		Ser	Tyr	Leu	Glu	Tyr	Ala		_	Lys	Cys	GLu			Asn	GLY	Lys	255
E>		01	3			0 1	a	245		T	m 1	T		250	C	3 00	M	255
		GIn	Arg	Ата	Ala	_		Pro	HIS	ьeu	THE			Pne	Cys	ASII		70
E>		Dwo	Com	Com	Wot		260	III o	T10	7.00	Пттъ	265		Cvc	T 011	Dro		70
E>		PIO	ser	ser	Met 275	AIG	ASP	птъ	116		30 30	Arg	Cys	Cys	пеп	285	PIO	
E/		λ1 a	Thr	Uic	Arg	Dro	иie	Dro	Thr			Cve	Δen	Δen	Dho		Δla	
E>		ΑΙα		290	пта	FIO	1113	rio	295		110	Cys	пор		300	DCI	711 C	
D ,		Tvr			Cys	Pro	Len	Glv			Cvs	Pro	Gln			Asp	Ile	
E>		_	O-1		O _I D			LO		V	010		315					320
			Leu	Ile	Ile	Asp			Glu	Ala	Ala	Ala		Asp	Lys	Arq	Arg	
E>								325					330		•	,	٠,	335
		Arq	Arq	Arq	Arg	Arq	Glu	Lys	Arg	Lys	Arg	Ala	Leu	Leu	Asn	Leu	Pro	
E>		_	_	_		,	340	•	_	•	_		345					350
	473	Gly	Thr	Gln	Thr	Ser	Gly	Glu	Ala	Lys	Asp	Gly	Pro	Pro	Lys	Lys	Gln	
E>	474	_			355	5	_			3	360					365	5	
	475	Val	Cys	Gly	Asp	Ser	Ile	Lys	Pro	Glu	Glu	Thr	Glu	Gln	Glu	Val	Ala	
E>	476		37	70					375					38	30			
	477	Ala	Asp	Glu	Thr	Arg	Asn	Leu	Pro	His	Ser	Lys	Gln	Gly	Asn	Lys	Asn	





PATENT APPLICATION: US/10/032,260

DATE: 02/26/2002 TIME: 11:05:42

Input Set : A:\EP.txt

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E>		nop Lou or	1 1100 017 1	405		410			415
_ ,		Ala Thr Se	r Glu Val Pi		Gln Ala Ser		ro Val Pro		
E>			420		42		43	0	same
		Glv Glv Gl	y Leu His A				hr Gly Tyr		Na.)
E>		22	435	- 3	440		445		
		Val Met Ala	a Tyr Val G	lu Val Ser	Gln Gly Pro	Gln Pro C	ys Ser Ser		2 /^
E>		450	-	455		46			'.
		Gly Pro Tr	p Leu Pro Gi	lu Cys His	Asn Lys Val	Tyr Leu S	er Gly Lys		
E>		_	•	470		475		480	
	489	Ala Val Pro	o Leu Thr Va	al Ala Lys	Ser Gln Phe	Ser Arg S	er Ser Lys		
E>				485		490			495
	491	Ala His As	n Gln Lys Me	et Lys Leu	Thr Trp Gly	Ser Ser			
E>	492		500	0 /		05			
		<210> SEQ		2200	$_{\mathcal{O}} \setminus$				
		<211> LENG'		935 (P.	/ /				
		<212> TYPE							
			NISM: Homo	sapiens					
		<400> SEQU							
							tt ccataagat		
							a aaaaaagagt		
							a cccaaagcat		
							a cagtaagtag		,
							c agagaagtaa		
							g gagggatttg		
							a ggtccagtga		
							c tgaatttagt c atttcctctg		
							t gactgaaatg		
							g ctcttaccta		
							a tttgactgta		
							c caaagtcagt		
							g ggggatagto		
							t ttttgtttt		
							t gctctgccac		
							g ggctcaagcc		ı
							a tgcccaacta		
	519	atttttaatt	ttctttttgt	agagacaagg	tttcactatg	ttgcccagg	c tagtcttgaa	1140	1
							g gccataagco		
	521	actgcgcccg	gcccaagcag	ttctgaataa	tgatgaaatg	ggctcagtt	g agagaagctg	1260	
	522	aagattaact	ataaacaatg	agtaacaaag	gagcactgga	aggcagagg	t ggatgggaat	1320	
	523	cgtagtgttt	acggagggac	tagtctccaa	taggaatttt	tttttttt	t ttttttttga	1380	
	524	gacggagttt	cgctcttgtt	gcctaggctg	aagtgcaaaa	tggcgtgat	c toggotoaco	1440	
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							a gacggggttt		
							c cgcctcggcc		
							a cctctttcaa		
	529	${\tt attcaatcac}$	cctctaggtc	gactataccg	cctagctgct	tcacaattt	g tecetteete	1740	





PATENT APPLICATION: US/10/032,260

DATE: 02/26/2002 TIME: 11:05:42

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\J032260.raw

530 gccatccata ctgccagcct taattcaagt tcacattatc acttgattgg attattacaa 1800 531 aagetteeet accaateggt egetettaca eeetgggeag eeteeteega tggeeeacte 1860 532 cccgcctctt tcactttctg gagatcactg agctctccat cctctctggg aatttaccga 1920 533 tgcccagaac gcccttcttt cccccacacg accetctcct agtctaactc ctgggcgtgc 1980 E--> 534 tttaagetea geteaggea gegteacett etetggaaag eccaaaceca gecaceceae 2040 2039 E--> 535 tacccgctac ccgcggccca cgctgatgaa gacagcagaa cacggaggcc ccgcgttccc 2100 E--> 536 gccgcgagag caggagagaa agattacctc ccgcgagctc tagcgcgccc ggctttccgg 2160 E--> 537 cgcactccag ggggcgtggc tcgggtccac ccgggctgcg agccggcagc acaggccaat 2220 E--> 538 aggcaattag cgcgcgccag gctgccttcc ccgcgccgga cccgggacgt ctgaacggaa 2280 numbering E--> 539 gttcgaccca tcggcgaccc gacggcgaga ccccgcccca tccccgactg cctgaaccgc 2340 E--> 540 gccaggagac ggaccgcaag tccagcgtac ccacagacga ctcaggcggg agacgagcgg 2400 E--> 541 tqtcatqqcc qccqacaqtg acgatggcgc agtttcagct cccgcagctt ccgacggtgg 2460 E--> 542 tgtcagcaaa agcacaacat ctgggagga gctagtagtc caggttcccg tagtggatgt 2520 E--> 543 qcaaaqcaac aacttcaaqq agatqtggc catccctcct gctagccata aagacagcta 2580 E--> 544 atttcgtggc tgtggacacg gagctgagtg ggcttgggga caggaagagt ttgctgaacc 2640 E--> 545 agtgcattga ggaacgttac aaggccgtgt gtcatgctgc caggacccgt tctatccttt 2700 E--> 546 ccctqqqcct cqcctqcttc aaqcqqcaqc caqacaaggg tgaacattcc tatctggctc 2760 E--> 547 aagtgttcaa tctcactctg ctgtgcatgg aggagtatgt catagaacca aagtctgtgc 2820 E--> 548 agttectgat acagcatgge tteaacttea accagcagta tgeccaagge atcecetace 2880 E--> 549 ataagggcaa tgacaagggt gatgagagcc agagccagtc agtacggacc ctattcctgg 2940 E--> 550 agetaateeg agecegeegg eccetggtge tacacaatgg cettatagae ttggtgttee 3000 E--> 551 tgtaccagaa cttctatgca cacctccctg agagtctggg aaccttcacc gctgacctgt 3060 E--> 552 gtgagatgtt cccagcaggc atttatgaca ccaaatatgc tgctgagttt catgcccgtt 3120 E--> 553 tcgtggcctc ctacttagaa tatgccttcc ggaaatgtga acgggaaaat gggaagcagc 3180 E--> 554 gggcagctgg cagcccacac cttaccctgg agttctgcaa ctatccttcc agcatgagg 3240 E--> 555 gaccatattg attaccgctg ctgcctgccc ccagcaaccc accgtcctca tcccaccagc 3300 E--> 556 atctgtgaca acttctcggc ttatggctgg tgccccctgg gaccacagtg tcctcagtct 3360 E--> 557 cacgatattg accttatcat tgacactgat gaggctgcgg cagaggacaa gcggcgacgg 3420 E--> 558 cgacgacgta gggaaaaacg gaagagggct ttattgaacct accggggaca cagacctctg 3480 E--> 559 gggaagctaa ggatggtcct cccaagaagc aggtctgtgg ggatagcatc aagcctgaag 3540 E--> 560 aaaccgagca ggaggtggct gccgatgaaa ctaggaacct gcctcactcc aagcaaggca 3600 E--> 561 acaaaaatga cttagagatg gggattaagg cagcaaggcc tgaaatagct gatagagcta 3660 E--> 562 cctcagaagt gccagggagc caagccagtc ctaacccagt gcctgggggt ggattgcacc 3720 E--> 563 gggctggttt tgatgccttt atgacaggtt atgtgatggc ctatgtggaa gtgagccagg 3780 E--> 564 gaccgcaacc ctgcagctct ggaccctggc tccctgaatg ccacaataag gtatatttga 3840 E--> 565 gtggcaaagc tgtaccctc acagtggcca agagccagtt ctctcgttcc tccaaagccc 3900 E--> 566 acaatcagaa gatgaagctc acttggggca gtagctga 3938 E--> 569





PATENT APPLICATION: US/10/032,260

DATE: 02/26/2002 TIME: 11:05:43

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\J032260.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:42 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3 L:54 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4 < M:332 Repeated in SeqNo=4 L:66 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5 L:152 M:283 W: Missing Blank Line separator, <400> field identifier L:171 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:174 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:177 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:180 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:183 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:186 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:189 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:192 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:195 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:198 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:201 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:204 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:207 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:210 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:213 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:15 L:228 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:16 M:332 Repeated in SeqNo=16 L:264 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17 \checkmark M:340 Repeated in SeqNo=17 L:274 M:254 E: No. of Bases conflict, LENGTH:Input:660 Counted:659 SEQ:17 M:254 Repeated in SeqNo=17 L:276 M:252 E: No. of Seq. differs, <211>LENGTH:Input:725 Found:724 SEQ:17 L:291 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18 -M:340 Repeated in SegNo=18 L:293 M:254 E: No. of Bases conflict, LENGTH:Input:600 Counted:599 SEQ:18 M:254 Repeated in SeqNo=18 L:294 M:252 E: No. of Seq. differs, <211>LENGTH:Input:619 Found:618 SEQ:18 L:302 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:19 M:340 Repeated in SeqNo=19 L:326 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:20 -M:340 Repeated in SeqNo=20 L:363 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22 \sim M:340 Repeated in SeqNo=22 L:398 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:24 ---M:340 Repeated in SeqNo=24 L:410 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:25 .-M:340 Repeated in SeqNo=25 L:411 M:254 E: No. of Bases conflict, LENGTH:Input:120 Counted:121 SEQ:25 M:254 Repeated in SeqNo=25 L:430 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:26 M:332 Repeated in SegNo=26



VERIFICATION SUMMARY

PATENT APPLICATION: US/10/032,260

DATE: 02/26/2002

TIME: 11:05:43

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\J032260.raw

L:534 M:254 E: No. of Bases conflict, LENGTH:Input:2040 Counted:2039 SEQ:27

M:254 Repeated in SeqNo=27

L:569 M:252 E: No. of Seq. differs, <211>LENGTH:Input:3938 Found:3935 SEQ:27